



The diagram shows a metal complex (1) enclosed in large square brackets with a subscript 'm' at the bottom right. The complex consists of a central metal atom 'M' coordinated to two ligands, 'X' and 'Y', which are enclosed in parentheses with a subscript 'n' at the bottom right. The metal atom 'M' is also coordinated to a ligand system enclosed in square brackets with a subscript 'm' at the bottom right. This ligand system is a 1,2,3,4-tetrasubstituted benzene ring with substituents 'R₃' at the 1 and 3 positions, and 'R₄', 'R₅', and 'R₆' at the 2, 4, and 6 positions, respectively. The benzene ring is fused to a five-membered ring containing a nitrogen atom 'N' and a substituent 'A'. The nitrogen atom 'N' is double-bonded to the carbon atom at the 5-position of the five-membered ring, which is also bonded to the metal atom 'M'. The carbon atom at the 4-position of the five-membered ring is bonded to the benzene ring at the 1-position. The carbon atom at the 3-position of the five-membered ring is bonded to the metal atom 'M'.

The emissive material itself is also provided. The emissive material may have improved efficiency and stability when incorporated into a light emitting device.